Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) An isolated and purified polynucleotide molecule which encodes mammalian Dab1 (Disabled protein 1) as depicted in SEQ ID NO: 3, or a fragment thereof, wherein the mammalian Disabled protein comprises a phosphotyrosine binding domain and ~~is capable of associating~~ can associate with the SH2 domain of Src, Abl or Fyn, or a complementary sequence thereof.

2. (Original) The polynucleotide of claim 1, which is genomic DNA, or a cDNA sequence.

3. (Original) The polynucleotide of claim 1, which codes for murine Disabled protein 1 (mDab1).

4. (Canceled)

5. (Currently amended) The polynucleotide of claim 1, which hybridizes at 65-68°C in aqueous solution containing 4-6X SSC, or 42°C in 50% formamide combined with washes at a high temperature of 5-25°C below the T_m and at a low salt concentration of 0.1X SSC to an oligonucleotide of 25 or more contiguous nucleotides of SEQ ID NO:2~~, SEQ ID NO:4 or SEQ ID NO:6~~, or a complement of said nucleotide sequence, and which codes for a polypeptide comprising a phosphotyrosine binding domain and ~~is capable of associating~~ can associate with the SH2 domain of Src, Abl or Fyn.

6. (Currently amended) A probe which comprises an oligonucleotide capable of specifically hybridizing at 65-68°C in aqueous solution containing 4-6X SSC, or 42°C in 50% formamide combined with washes at a high temperature of 5 to 25°C below the T_m and at a low salt concentration of 0.1X SSC) with a polynucleotide sequence which encodes a mammalian Disabled protein 1 as depicted in SEQ ID NO: 2, or allelic and species variants thereof, wherein the mammalian Disabled protein, allelic or species variant thereof comprises a phosphotyrosine binding domain and can associate with the SH2 domain of Src, Abl or Fyn.

7. (Original) The probe of claim 6, which comprises from about 15 to about 60 nucleotides in length.

8. (Original) The probe of claim 6, which further comprises a detectable signal.

9. (Canceled)

10. (Currently amended) A DNA construct comprising the following operably linked elements:

a transcriptional promoter;

a DNA sequence encoding a mammalian Disabled protein 1 as depicted in SEQ ID NO: 3, or a fragment thereof which comprises a phosphotyrosine binding domain and ~~is capable of associating~~ can associate specifically with the SH2 domain of Src, Abl or Fyn; and

a transcriptional terminator.

11. (Currently amended) The DNA construct of claim 10, wherein the DNA sequence encoding a mammalian Disabled protein 1 is substantially the oligonucleotide sequence depicted as in SEQ ID NO:2~~, SEQ ID NO:4 or SEQ ID NO:6~~.

12. (Original) The DNA construct of claim 10, wherein the DNA sequence encoding a mammalian Disabled protein is substantially depicted as residues 107 to 243 of SEQ ID NO:3.

13. (Currently amended) A cultured host cell transformed or transfected with a DNA construct which comprises the following operably linked elements:

a transcriptional promoter operable in the host cell;

a DNA sequence encoding a mammalian Disabled protein 1 as depicted in SEQ. ID. NO: 3, or a fragment thereof, which comprises a phosphotyrosine binding domain and ~~is capable of associating~~ and can associate with the SH2 domain of Src, Abl or Fyn; and

a transcriptional terminator operable in the host cell.

14. (Original) The host cell of claim 13, wherein the host cell is a prokaryotic or eukaryotic cell.

15. (Original) The host cell of claim 14, wherein the prokaryotic cell is a bacterial cell.

16. (Original) The host cell of claim 14, wherein the eukaryotic cell is a yeast cell or a mammalian cell.

17. (Original) The host cell of claim 13, wherein the DNA sequence encodes a murine Disabled protein 1.

18. (Currently amended) The host cell of claim ~~19~~ 13, wherein the DNA sequence encodes a polypeptide as depicted in SEQ ID NO: 3~~, SEQ ID NO: 5, SEQ ID NO: 7~~.

19. - 35. (Canceled)